Web-based, Self-study Disaster Preparedness Training Resources

These courses are available on the internet without charge. Note: This information has been complied by the DHS Division of Drinking Water and Environmental Management (DDWEM) staff for convenience purposes only. DDWEM previews courses when possible for appropriateness for Environmental Health professionals however, DDWEM does not guarantee the accuracy of the material or endorse any of the training courses listed below. If you'd like more information on these courses, please use the specific contact info provided in each listing to inquire with the organizations offering the training. Please report any problems with the courses to DDWEM - Marcy Barnett (916) 449-5686; mbarnett@dhs.ca.gov

Provider Organization	Course Description
Topic: General Emergency Response	
Federal Emergency Management Agency (FEMA) Emergency Management Institute (EMI) http://www.training.fema.gov/EMIWeb/IS/crslist.asp	**IS-100, Introduction to the Incident Command System (ICS)** This on-line course is NIMS-compliant and meets the baseline training requirements for I-100, it is intended for first responders, disaster workers, and persons involved with emergency planning, response or recovery efforts. It introduces the ICS and provides the foundation for higher level ICS training. http://www.training.fema.gov/EMIWeb/IS/is100.asp This course has 5 modules and takes approximately 2 hours to complete. No prior knowledge of the subject is required or assumed. Upon successful completion of the course a certificate is issued.
	IS-200, ICS for Single Resources and Initial Action Incidents This on-line course is NIMS-compliant and meets the baseline training requirements for I-200, it is intended for first line supervisors and middle management of disaster workers, and persons involved with response or recovery efforts and those likely to assume a supervisory or command position within the ICS. It is a basic course designed to enable personnel to operate efficiently during an incident or event within the ICS. http://training.fema.gov/EMIWeb/IS/is200.asp This course has 8 modules and takes approximately 2-3 hours to complete. Prior knowledge of the subject is required. IS-100 is a prerequisite to the IS-200 course. Upon successful completion of the course a certificate is issued.
	IS-700, National Incident Management System (NIMS), An Introduction This on-line course is NIMS-compliant and meets the baseline training requirements for I-700, it is intended for first responders, disaster workers, and all persons involved with emergency planning, response or recovery efforts. It explains the purpose, principles, key components and benefits of NIMS. http://training.fema.gov/emiweb/IS/is700.asp This course has 8 modules and takes approximately 1-2 hours to complete. No prior knowledge of the subject is required or assumed. Upon successful completion of the course a certificate is issued.

Provider Organization	Course Description
Federal Emergency Management Agency (FEMA) Emergency Management Institute (EMI) http://www.training.fema.gov/EMIWeb/IS/crslist.asp	**IS-800.A, National Response Plan (NRP), An Introduction** This on-line course is NIMS-compliant and meets the baseline training requirements for I-800, it is intended for first line supervisors and middle management of disaster workers, and persons involved with response or recovery efforts and those likely to assume a supervisory or command position within the ICS. This course introduces the NRP and the organizational structures used to manage these resources. http://www.training.fema.gov/emiweb/IS/is800a.asp This course has 6 modules and takes about 2-3 hours to complete. No prior knowledge of the subject is required or assumed. Upon successful completion of the course a certificate is issued.
	IS-546 Continuity of Operations (COOP) Awareness This on-line course is part of a federal initiative to ensure that federal agencies are able to continue to perform their essential functions under a broad range of circumstances. The course is helpful for other agencies in planning their response to a wide range of emergencies. http://emilms.fema.gov/is546_COA/index.htm This course has 4 modules and takes about one hour to complete. No prior knowledge of the subject is required or assumed. Upon successful completion of the course a certificate is issued.
California Specialized Training Institute (CSTI) http://www.oes.ca.gov/Operational/OESHome.nsf/978596171691962788256B350061870E/D0212A95A615CC2588256E5A006E3628?OpenDocument	**Standardized Emergency Management System (SEMS) Introduction** This downloadable, introductory course is designed for all personnel that may become involved in a multi-agency or multi-jurisdictional response. This course is pre-requisite to all other SEMS courses (except SEMS executive). http://www.oes.ca.gov/Operational/OESHome.nsf/ALL/143C8AFE90AC7AAA88256DF90073DFBE?OpenDocument This course has one module and takes about an hour to complete. No prior knowledge of the subject is required or assumed. No certificate is issued. This is a self-study course, but may be delivered by an instructor.
	SEMS Executive Course This downloadable course is designed for elected officials, executives, administrators and policy makers within agencies that are required to support a SEMS emergency response. The executive course provides basic information on the role of executives in implementing, using and maintaining SEMS within their agencies or organizations. http://www.oes.ca.gov/Operational/OESHome.nsf/ALL/143C8AFE90AC7AAA88256DF90073DFBE?OpenDocument This course takes approximately 1-2 hours to complete. No prior knowledge of the subject is required or assumed. No certificate is issued. This is a self-study course, but can be delivered by an instructor.

Provider Organization	Course Description
National Wildfire Coordinating Group (NWCG) http://www.nwcg.gov/	**I-300 Intermediate ICS** This downloadable course is required for individuals who will likely respond to a multi-agency incident or event in the field and be expected to supervise an ICS Section, Branch, or Division. This course has a fire-oriented response perspective. http://www.nwcg.gov/pms/forms/ics_cours/ics_courses.html#I-300 This course has 5 modules and instructor delivery is recommended. ICS-100 and ICS-200 are the prerequisites. No certificate is issued. **I-400 Advanced ICS** This downloadable course is required for individuals who will likely respond to a multi-agency incident or event in the field and be expected to fulfill a Command, or Command Staff role or any key management role in a major incident. This course has a fire-oriented response perspective. http://www.nwcg.gov/pms/forms/ics_cours/ics_courses.html#I-400 This course has 6 modules and instructor delivery is recommended. ICS-100, ICS-200 and ICS-300 are the prerequisites. No certificate is issued.
John Hopkins Center for Public Health Preparedness http://www.jhsph.edu/preparedness/training/online/general_trainings	**Role of Sanitarians in Disasters** This on-line training course describes how government public health agencies and workers will function after a disaster and discusses the many duties that sanitarians may perform after a disaster. http://www.jhsph.edu/preparedness/training/online/sanitarians.html This course has 3 modules and takes approximately one hour to complete. No prior knowledge of the subject is required or assumed. Upon successful completion of the course a certificate is issued.
Florida Department of Health http://www.doh.state.fl.us/planning_eval/about/index.html	**Intro to Environmental Health Preparedness** This on-line course will introduce you to some of the hazards posed to environmental health as well as what field professionals can do to become better prepared. http://www.doh.state.fl.us/environment/preparedness/envt/index.htm This course has 6 modules and takes approximately an hour to complete. No prior knowledge of the subject is required or assumed. No certificate is issued.

Provider Organization	Course Description
University of Minnesota Center for Public Health Preparedness http://cpheo.sph.umn.edu/umncphp/	**Emergency Preparedness and Response Fundamentals for Environmental Health Professionals** This on-line course is designed to increase awareness of preparedness and disaster response for environmental health professionals. The course addresses basic environmental health concepts important to front line staff with years of experience and to those who are new in the field. http://www.umncphp.umn.edu/preparedness/site/index.htm This course has 2 modules and takes approximately 2 hours to complete. No prior knowledge of the subject is required or assumed. No certificate is issued. The modules are also available at no charge on a CD-ROM. To obtain a CD, contact Hennepin County Health Protection at 952-351-5200 or email to epi-envhlth@co.hennepin.mn.us
Topic: Risk Assessment/ Crisis Communication	
John Hopkins Center for Public Health Preparedness http://www.jhsph.edu/preparedness/training/online/general_trainings	**Risk Communication Strategies for Public Health Preparedness** This on-line training course will help public health workers be more effective communicators and members of a crisis response team. After reviewing basic ideas about risk communication, they will learn how to develop crisis communication plans and deliver public health messages by working with the media. http://www.jhsph.edu/preparedness/training/online/riskcomm.html This course has 6 modules and takes approximately 1.5 hours to complete. No prior knowledge of the subject is required or assumed. Upon successful completion of the course a certificate is issued. **Crisis Communication** This on-line training course will help public health workers be more effective communicators and members of a crisis response team. The course covers how to talk to people about disasters. http://www.jhsph.edu/preparedness/training/online/crisis_communication.html This course has 4 modules and takes approximately one hour to complete. No prior knowledge of the subject is required or assumed. Upon successful completion of the course a certificate is issued.
University Illinois School of Public Health http://www.uic.edu/sph/	**Envirorisk, Course No: WB3038** This on-line course is a case-based, problem-solving program in environmental risk assessment and risk communication. The target audience is public health professionals including sanitarians, physicians, nurses, risk assessors, epidemiologists, and environmental engineers. http://www.uic.edu/sph/cade/envirorisk/ This course has takes approximately 1.5 hours to complete. No prior knowledge of the subject is required or assumed. No certificate is issued.

Provider Organization	Course Description
Topic: Terrorism	
University at Albany Center for Public Health Preparedness http://www.ualbanycphp.org	**Terrorism, Preparedness, and Public Health: An Introduction** The goal of this on-line course is to help public health workers develop an understanding and awareness of terrorism and its effects on the practice of public health. The course is intended for a broad range of professionals who work both inside and outside the scope of public health. http://www.ualbanycphp.org/learning/registration/detail_Terrorism.cfm This course has 6 modules and takes approximately 3 hours to complete. No prior knowledge of the subject is required or assumed. Upon successful completion of the course a certificate can be issued.
National Response and Rescue Training Center Texas Engineering Extension Service (TEEX) http://www.teexwmdcampus.com	**WMD/Terrorism Awareness for Emergency Responders** This on-line course addresses basic concepts of hazardous materials, terrorism and the terrorist threat. The course focuses on hazardous materials and is geared toward first responders. http://www.teexwmdcampus.com/main.k2 This course has 4 modules and takes approximately 2-3 hours to complete. No prior knowledge of the subject is required or assumed. Upon successful completion of the course a certificate is issued.
John Hopkins Center for Public Health Preparedness http://www.jhsph.edu/preparedness/training/online/general_trainings	**Introduction to Weapons of Mass Destruction** This on-line training course provides a basic understanding of weapons of mass destruction essential for addressing the public health readiness needs of the post-9/11 world. Information on chemical, biological and radiological weapons of mass destruction, with a focus on their unique characteristics and implications for public health emergency preparedness and response is provided. http://www.jhsph.edu/preparedness/training/online/intro_to_wmd.html This course has 3 modules and takes approximately one hour to complete. No prior knowledge of the subject is required or assumed. Upon successful completion of the course a certificate is issued**.**

Provider Organization	Course Description
Topic: Food Defense	
University Washington Northwest Center for Public Health Practice http://www.nwcphp.org/	**Bioterrorist Attack on Food: A Tabletop Exercise CD-ROM** This course, available on CD-ROM, provides an opportunity for public health personnel and their local emergency counterparts to gain skills and knowledge in preparing for and responding to a large-scale communicable disease outbreak or bioterrorism event. The exercise is focused on identifying the policy issues that need to be considered in responding to a bioterrorist event. http://www.nwcphp.org/training/courses-exercises/courses/bioterrorist-attack-on-food This course takes approximately 4 hours to complete. No prior knowledge of the subject is required or assumed. No certificate is issued. The CD-ROM can be ordered free of charge by contacting the Northwest Center for Public Health Practice, School of Public Health & Community Medicine, (206) 685-1130, nwcphp@u.washington.edu
Federal Food and Drug Administration (FDA) http://www.fda.gov/ora/training/ orau/state/intro.htm	**An Introduction to Food Security Awareness** This on-line course is a basic training suitable for individuals who work at every level of our food and agriculture system, throughout government and the private sector, however, federal, state, and local food regulatory officials are the primary audience. http://www.fda.gov/ora/training/orau/FoodSecurity/startpage.html This course has 7 modules and takes approximately one hour to complete. No prior knowledge of the subject is required or assumed. A certificate can be issued upon completion of the course.
Florida Department of Health http://www.doh.state.fl.us/plann ing_eval/about/index.html	**Foodborne Illness and Security** This on-line course introduces basic concepts of food safety and security. http://www.doh.state.fl.us/environment/preparedness/food/index.htm This course has 6 modules and takes approximately one hour to complete. No prior knowledge of the subject is required or assumed. No certificate is issued.

Provider Organization	Course Description
John Hopkins Center for Public Health Preparedness http://www.jhsph.edu/preparedness/training/online/general_trainings	**Bioterrorism and Food Safety** This on-line training course introduces public health professionals to the vulnerabilities of the U.S. food supply to a terrorist attack on both processed foods and the nation's farming industry. Among the topics included are definitions of high-priority agents likely to be used in such an attack and information about current strategies to protect against, and respond to, a terrorist attack on the food supply. http://www.jhsph.edu/preparedness/training/online/bioterr_foodsafety.html This course has 3 modules and takes approximately one hour to complete. No prior knowledge of the subject is required or assumed. Upon successful completion of the course a certificate is issued**.**
Topic: Drinking Water Security	
John Hopkins Center for Public Health Preparedness http://www.jhsph.edu/preparedness/training/online/chem_trainings	**Chemical Weapons and Water Safety** This on-line course examines chemical agents of public health concern in the context of terrorism preparedness. http://www.jhsph.edu/preparedness/training/online/chemagents_water_safety.html This course has 3 modules and takes approximately 0.5 hour to complete. No prior knowledge of the subject is required or assumed. Upon successful completion of the course a certificate is issued.
Environmental Protection Agency (EPA) Training Exchange http://www.trainex.org	**Using Contaminant Information in Evaluating Water Contamination Threats and Incidents** This on-line or downloadable course provides information on the types of contaminants that may be used to intentionally contaminate water, and simplifies the application of the threat management process in EPA's Response Protocol Toolbox: Planning for and Responding To Drinking Water Contamination Threats and Incidents. This training is designed for U.S. EPA On Scene Coordinators and Regional emergency responders, EPA Drinking Water Program Staff, EPA Criminal Investigation Division agents, State Primacy Drinking Water Agencies, and Water Utility Personnel. http://www.trainex.org/web_courses/water_security/ This course has 10 modules and takes about 3 hours to complete. No prior knowledge of the subject is required or assumed. No certificate is issued.

Provider Organization	Course Description
Topic: Biological Agents	
Center for Disease Control and Prevention (CDC) http://www.bt.cdc.gov	**Plague** This on-line course is designed to provide information on the natural epidemiology of plague and how to manage it as both a natural disease and an intentional attack. The material contains detailed clinical information suitable for medical public health personnel. http://www.bt.cdc.gov/agent/plague/trainingmodule/ This course has 8 modules and takes approximately 1.5 hours to complete. No prior knowledge of the subject is required or assumed. No certificate is issued.
University at Albany Center for Public Health Preparedness http://www.ualbanycphp.org/	**Preparedness & Community Response to Pandemics** This on-line course is intended for public health workers. After taking this course, public health professionals will be able to describe the public health role in emergency response during a pandemic. Information provided is very detailed. A Pandemic Influenza Tabletop Exercise Package is included. http://www.ualbanycphp.org/learning/registration/detail_Pandemics.cfm This course has 6 modules and takes approximately 8 hours to complete. No prior knowledge of the subject is required or assumed. Upon successful completion of the course a certificate can be issued.
John Hopkins Center for Public Health Preparedness http://www.jhsph.edu/preparedness/training/online/chem_trainings	**The Impact of Pandemic Influenza on Public Health** This on-line training course examines the path of the avian influenza and examines how it could impact world health. http://www.jhsph.edu/preparedness/training/online/pan_flu.html This course has 6 modules and takes approximately 2 hours to complete. No prior knowledge of the subject is required or assumed. Upon successful completion of the course a certificate is issued.
	Biological Agents of Water and Foodborne Bioterrorism This on-line training course examines the various biological agents that terrorists could use against food or water supplies. http://www.jhsph.edu/preparedness/training/online/bioagents_water_terror.html This course has 4 modules and takes approximately 1.5 hours to complete. No prior knowledge of the subject is required or assumed. Upon successful completion of the course a certificate is issued.

Provider Organization	Course Description
Topic: Chemical Agents	
FEMA EMI http://www.training.fema.gov	**IS-5.A, An Introduction to Hazardous Materials** This downloadable course provides a general introduction to federal hazardous materials laws and regulations, basic identification and toxicology information that can serve as a foundation for future learning. http://training.fema.gov/emiweb/IS/IS5.asp This course has 5 modules and takes approximately 2.5 hours to complete. No prior knowledge of the subject is required or assumed. Upon successful completion of the course a certificate is issued.
John Hopkins Center for Public Health Preparedness http://www.jhsph.edu/preparedness/training/online/chem_trainings	**Monitoring Chemical Agents** This on-line course examines the system of monitoring chemical agents in the United States and describes what would happen in the event of a chemical weapon attack. The course will describe the benefits and limitations of chemical monitoring, summarize key parameters describing the performance of monitoring tools, describe various strategies of detecting chemical agents, and how to interpret the results of chemical monitoring data. http://www.jhsph.edu/preparedness/training/online/monitoring_chem_agents.html This course has 3 modules and takes approximately one hour to complete. No prior knowledge of the subject is required or assumed. Upon successful completion of the course a certificate is issued. **Introduction to Chemical Agents** This on-line course provides an overview of the various types of chemicals that might be used by terrorists. http://www.jhsph.edu/preparedness/training/online/intro_chem_agents.html This course has 3 modules and takes approximately one hour to complete. No prior knowledge of the subject is required or assumed. Upon successful completion of the course a certificate is issued.

Provider Organization	Course Description
Topic: Radiological Materials	
FEMA EMI http://www.training.fema.gov	**IS-3, Radiological Emergency Management** This on-line or downloadable course provides information on a variety of radiological topics including: fundamental principles of radiation, nuclear threat and protective measures, nuclear power plants, radiological transportation accidents, and other radiological hazards. http://training.fema.gov/emiweb/IS/is3.asp This course has 6 modules and takes approximately 2.5 hours to complete. No prior knowledge of the subject is required or assumed. Upon successful completion of the course a certificate is issued.
FEMA EMI http://www.training.fema.gov	**IS-301, Radiological Emergency Response** This downloadable course is a prerequisite to the Radiological Emergency Response Operations (RERO) course. The goal of this course is to provide a learning experience in which participants demonstrate a comprehensive understanding of radiological protection and response principles, guidelines, and regulations to prepare them for the RERO course. http://training.fema.gov/emiweb/IS/is301.asp The course has 12 modules that take about 5 hours to complete. Upon successful completion of the course a certificate is issued.
Radiation Emergency Assistance Center Oak Ridge Institute for Science and Education (ORISE) http://www.orau.gov/reacts/guidance.htm	**Guidance for Radiation Accident Management** This on-line information addresses not only basic explanations and definitions related to radiation but also offers guidance to those responding both at the scene of an accident and at the hospital. Topics include: basics of radiation, detection, measurement, safety around radiation sources, types of radiation exposure, managing radiation emergencies, and procedure Demonstration. http://www.orau.gov/reacts/guidance.htm This is not a specific course but an informational resource. It takes about 1 hour to review the material. No prior knowledge of the subject is required or assumed. No certificate is issued.
John Hopkins Center for Public Health Preparedness http://www.jhsph.edu/preparedness/training/online/chem_trainings	**Radiation Terror 101** This on-line course provides basic information about radiation and radiological terror and describes plans for responding to radiation threats such as a dirty bomb. http://www.jhsph.edu/preparedness/training/online/rad101.html This course has 3 modules and takes approximately one hour to complete. No prior knowledge of the subject is required or assumed. Upon successful completion of the course a certificate is issued.

Provider Organization	Course Description
Topic: Train the Trainer	
FEMA EMI http://www.training.fema.gov	**IS-139, Exercise Design** This downloadable course is designed to introduce the fundamentals of exercise design and how to conduct a small functional exercise. This course is designed for emergency managers and emergency services personnel to develop their skills in the following areas: the exercise process, exercise design steps, tabletop, functional, and full-scale exercises, exercise evaluation, exercise enhancements, and designing a functional exercise. http://training.fema.gov/EMIWeb/IS/is139.asp This course has 11 modules and takes approximately 6-7 hours to complete. Prior knowledge of the subject is required. Upon successful completion of the course a certificate is issued.

ACRONYMS:

ICS   Incident Command System
NIMS National Incident Management System
NRP   National Response Plan
SEMS Standardized Emergency Management System
WMD Weapons of Mass Destruction